



What is claimed is:

1. (Currently Amended) A text-entry system based on trigger sequences comprising 1) a plurality of keys, 2) a plurality of printable symbols, 3) said plurality of printable symbols comprising a plurality of pre-conversion symbols and, 3) a plurality of post-conversion symbols and optionally a plurality of non-conversion symbols, each of said post-conversion symbols set in a correspondence to a sequence of said pre-conversion symbols, 4) a plurality of symbol-input-end symbols, 5) a display to display printable symbols, 6) a first mechanism to display said pre-conversion symbols in response to keystrokes, and 7) a second mechanism to recognize trigger sequences and thereby trigger conversion of a plurality of said pre-conversion symbols displayed on said display by said first mechanism to a plurality of said post-conversion symbols, a plurality of said trigger sequences contained in a continuation class of trigger sequences elements of said continuation class of trigger sequences characterized in that they comprise ing a subsequence of said keystrokes said subsequence comprising at least two of said keystrokes such that the a first of said keystrokes in said subsequence causes said first mechanism to display one of said pre-conversion symbols, and subsequent keystrokes in said subsequence characterized in that each of said subsequent keystrokes the second of said keystrokes in said subsequence generates one of said symbol-input-end symbols, where said generated symbol-input-end symbol applies to an immediately previously displayed printable symbol said displayed pre-conversion symbol to cause input of said immediately previously displayed printable symbol and where each of said subsequent

~~second keystrokes does not additionally causes display of any of said a further printable pre-conversion symbols which follow said one pre-conversion symbol said further printable symbol being either a pre-conversion symbol or a non-conversion symbol, where a last of said subsequent keystrokes completes said trigger sequence, and thereby triggers conversion.~~

~~in any sequence of said pre-conversion symbols which correspond to one of said post conversion symbols, whereby upon recognition of one of said trigger sequences conversion of a plurality of said displayed pre-conversion symbols to a plurality of said post conversion symbols is effected without the need for a keystroke on a dedicated convert key.~~

2. (Currently Amended) The text-entry system of claim 1 further characterized in that 1) said pre-conversion symbols ~~are comprised of~~ tone marks and symbols selected from the set of Latin and Bopomofo symbols, 2) said post-conversion symbols ~~are comprised of~~ Hanzi, and 3) a plurality of elements of said continuation class of trigger sequences are characterized in that said first keystroke of said subsequence causes said first mechanism to display one of said tone marks and one of said subsequent keystrokes ~~said second keystroke of said~~ subsequence generates one of said symbol-input-end symbols, said generated symbol-input-end symbol applying to said displayed tone mark causing it to be input.

3. (Currently Amended) The text-entry system of claim 1 ~~further comprising a plurality of non-conversion symbols, and further~~ characterized in that 1) said pre-conversion symbols ~~are comprised of~~ Hiragana, 2) said post-conversion symbols ~~are comprised of~~ Kanji, 3)

4) said first mechanism is effective to display a set of symbols comprising said pre-conversion symbols, said post-conversion symbols, and said non-conversion symbols, and 45) said trigger sequences are comprised of two classes, a non-continuation class, elements of said non-continuation class where elements of the first of said classes are characterized in that they comprise a said first keystroke of said subsequence which causes said first mechanism to display a non-continuation one of said cHiragana, and a second keystroke said second keystroke of said subsequence which generates one of said symbol-input-end symbols, said symbol-input-end-symbol generated by said second keystroke of said subsequence applying to said displayed non-continuation cHiragana causing it to be input, where said second keystroke of said subsequence is unassigned to one of said keys to which none of said cHiragana have been assigned, and elements of the second of said continuation classes are further characterized in that said first keystroke of said subsequence causes said first mechanism to display one of a continuation said cHiragana, and a first subsequent said second keystroke of said subsequence generates one of said symbol-input-end symbols, said symbol-input-end-symbol generated by said first subsequent second keystroke of said subsequence applying to said displayed continuation said cHiragana causing it to be input, where said first subsequent second keystroke of said subsequence also causes one of said non-conversion symbols to be displayed by said first mechanism and a second a third subsequent keystroke of said subsequence which generates one of said symbol-input-end symbols which applies to said displayed non-conversion symbol causing it to be input.

4. (Currently Amended) The text-entry system of claim 1 ~~further comprising a plurality of non-conversion symbols, and further characterized in that 1) said pre-conversion symbols are comprised of cLatin symbols, 2) said post-conversion symbols are comprised of Kanji, 3) said non-conversion symbols are comprised of Latin symbols and Hiragana 4) said first mechanism is effective to display a set of symbols comprising said pre-conversion symbols, said post-conversion symbols, and said non-conversion symbols, and 45) said trigger sequences are comprised of two classes, a non-continuation class, elements of said non-continuation class where elements of the first of said classes are characterized in that they contain said a first keystroke which of said subsequence causes said first mechanism to display a non-continuation one of said cLatin symbols, and a said second keystroke of said subsequence which generates one of said symbol-input-end symbols, said symbol-input-end-symbol generated by said second keystroke of said subsequence applying to said displayed non-continuation cLatin symbol causing it to be input, where said second keystroke of said subsequence is on assigned to one of said keys to which none of said cLatin symbols have been assigned, and elements of the second of said continuation class es are further characterized in that said first keystroke of said subsequence causes said first mechanism to display one of a continuation said cLatin symbols, and a first subsequent said second keystroke of said subsequence generates one of said symbol-input-end symbols, said symbol-input-end-symbol generated by said first subsequent second keystroke of said subsequence applying to said displayed continuation said cLatin symbol causing it to be input, where said second first subsequent keystroke of said subsequence also causes one of said non-conversion symbols to be displayed by said first mechanism and a third a second subsequent~~

keystroke of said subsequence which generates one of said symbol-input-end symbols which applies to said displayed non-conversion symbol causing it to be input.

5. (Currently Amended) The text-entry system of claim 1 ~~further comprising a plurality of non-conversion symbols, and further characterized in that 1) said pre-conversion symbols are comprised of Latin symbols, 2) said post-conversion symbols are comprised of Kanji, 3) said non-conversion symbols are comprised of Hiragana 4) said first mechanism is effective to display a set of symbols comprising said pre-conversion symbols, said post conversion symbols, and said non-conversion symbols, and 45) said trigger sequences are comprised of two classes, a non-continuation class, elements of said non-continuation class where elements of the first of said classes are characterized as containing in that a said first keystroke of said subsequence which causes said first mechanism to display one of a non-continuation said Latin symbols, and a said second keystroke which of said subsequence generates one of said symbol-input-end symbols, said symbol-input-end symbol generated by said second keystroke of said subsequence applying to said displayed non-continuation Latin symbol causing it to be input, where said second keystroke of said subsequence is on-assigned to one of said keys to which none of said Latin symbols have been assigned, and elements of the second of said continuation classes are further characterized in that said first keystroke of said subsequence causes said first mechanism to display one of a continuation said Latin symbols, and a first subsequent said second keystroke of said subsequence generates one of said symbol-input-end symbols, said symbol-input-end symbol generated by said second first subsequent keystroke of said subsequence applying to said displayed continuation~~

said Latin symbol causing it to be input where said first subsequent
~~second~~-keystroke of said subsequence also causes one of said non-
conversion symbols to be displayed by said first mechanism and a second
subsequent ~~a third~~ keystroke of said subsequence which generates one of
said symbol-input-end symbols which applies to said displayed non-
conversion symbol causing it to be input.

6. (Currently Amended) The text-entry system of claim 1 ~~further~~
~~comprising a plurality of non-conversion symbols, and further~~
characterized in that 1) said pre-conversion symbols ~~are comprised of~~ cJamo, 2) said post-conversion symbols ~~are comprised of~~ Hanja, 3) said
non-conversion symbols ~~are comprised of~~ Jamo, 4) ~~said first mechanism~~
~~is effective to display a set of symbols comprising said pre-conversion~~
~~symbols, said post-conversion symbols, and said non-conversion symbols,~~
and 45) said trigger sequences ~~are comprised of~~ two classes, a non-
continuation class, where elements of the first of said non-
continuation classes are characterized in that they contain a said
first keystroke which causes said first mechanism to display a non-
continuation one of said cJamo, and a said second keystroke which
generates one of said symbol-input-end symbols, said symbol-input-end-
symbol generated by said second keystroke applying to said displayed
non-continuation cJamo causing it to be input, where said second
keystroke is on a key to which none of said cJamo have been assigned,
and elements of the said continuation second of said classes are
further characterized in that said first keystroke of said subsequence
causes said first mechanism to display a continuation one of said
cJamo, and a first subsequent keystroke of said subsequence ~~said second~~
~~keystroke~~ generates one of said symbol-input-end symbols said symbol-
input-end-symbol generated by said first subsequent keystroke of said

subsequence second keystroke applying to said displayed continuation cJamo causing it to be input, where said first subsequent keystroke of said subsequence second keystroke also causes one of said non-conversion symbols to be displayed and a second subsequent keystroke of said subsequence ~~a third keystroke~~ which generates one of said symbol-input-end symbols, said symbol-input-end symbol generated by said second subsequent keystroke ~~which applying is~~ to said displayed non-conversion symbol causing it to be input.

7. (Previously Presented) The text-entry system of claim 1 further comprising a third mechanism to convert said pre-conversion symbols to said post-conversion symbols.

8. (Previously Presented) The text-entry system of claim 7 further characterized in that said third mechanism is physically remote from said first mechanism.

9. (Currently Amended) The text-entry system of claim 7 further characterized in that said third mechanism performs said ~~selection conversion~~ based on ~~the a~~ context comprising of other input symbols previously input.

10. (Currently Amended) The text-entry system of claim 1 further comprising a predictive text mechanism operating to select said pre-conversion symbols for display based on a ~~the~~ context comprising of other input symbols previously input

11. (Currently Amended) The text-entry system of claim 1 further comprising at least one Next key for ~~advaneing the incrementing display of symbols in an ordered list containing more than one element.~~

12. (Currently Amended) The text-entry system of claim 1 further comprising a multi-tap mechanism for ~~advaneing the display of incrementing symbols in an ordered list containing more than one element.~~

13. (Previously Presented) The text-entry system of claim 2 further characterized in that each time one of said tone marks is displayed, it is only displayed after a plurality of said Latin symbols have been displayed but not input.

14. (Currently Amended) The text-entry system of claim 1 ~~further comprising a plurality of non-conversion symbols, further comprising a~~ Next key applying to said plurality of pre-conversion symbols, and a Next key applying to said plurality of non-conversion symbols.

15. (Previously Presented) The text-entry system of claim 3 further characterized in that a plurality of symbols comprising said pre-conversion symbols and said non-conversion symbols are assigned to said keys in a substantially Iroha ordering.

16. (Currently Amended) A method for constructing trigger sequences for a text-entry system comprising the steps of 1) selecting a set of printable symbols comprising pre-conversion, and post-conversion symbols and optionally non-conversion symbols, 2) selecting a text-entry mechanism which enters text in response to keystrokes, 3)

determining the set of keystroke sequences which corresponds to
the set of possible texts to be entered using said text-entry
system, 4) for each pre-conversion symbol generated by each of said
keystroke sequences in said set of keystroke sequences, finding a
subsequence of said keystrokes such that said subsequence comprises
at least two of said keystrokes such that a first of said keystrokes
in said subsequence causes display of said each pre-conversion
symbol, and subsequent keystrokes in said subsequence characterized
in that each of said subsequent keystrokes generates a symbol-input-
end symbol, where said generated symbol-input-end symbol applies to
an immediately previously displayed printable symbol to cause input
of said immediately previously displayed printable symbol and where
each of said subsequent keystrokes additionally causes display of a
further printable symbol said further printable symbol being either
a pre-conversion symbol or a non-conversion symbol, where a last of
said subsequent keystrokes completes said trigger sequence, and
thereby triggers conversion,

~~a) one of said keystrokes in said subsequence displays one of said pre-conversion symbol and b) another of said keystrokes in said subsequence i) generates a symbol-input-end symbol which applies to said one pre-conversion symbol, and ii) does not additionally display any of said pre-conversion symbols which follow said one pre-conversion symbol in any sequence of said pre-conversion symbols which correspond to one of said post-conversion symbols, and 5) returning to said step of selecting said set of said printable pre-conversion and said post-conversion symbols if in the event that said step of finding said subsequences fails to produce satisfactory subsequences.~~

17. (Currently Amended) The text-entry ~~mechanism~~ system -of claim 1 further comprising

—an assignment of Hiragana to said plurality of keys in a substantially Iroha ordering.

18. (Currently Amended) The text-entry system of claim 1 further comprising a word-based predictive mechanism. ~~characterized in that said pre-conversion symbols are comprised of words.~~

19. (Previously Presented) The text-entry system of claim 18 further comprising a word-completion mechanism.

20. (Currently Amended) The text-entry system of claim 2 further characterized in that said tone mark appears in ~~at the end of~~ said order after any of said Latin symbols in said order.